NAVY TRAINING SYSTEM PLAN

FOR

GENERAL AERIAL TARGETS

N88-NTSP-A-50-9702/P

JULY 2000

GENERAL AERIAL TARGETS

EXECUTIVE SUMMARY

This Navy Training System Plan (NTSP) has been developed to identify the life cycle manpower, personnel, and training requirements associated with General Aerial Targets. General Aerial Targets are in Phase III (Production, Deployment, and Operational Support) of the Weapon System Acquisition Process. Aerial Targets serve as a substitute for enemy entities during weapons testing and fleet training exercises. They are used to determine the effectiveness of defensive systems and weapons in countering existing and potential enemy threats.

Targets as a whole are divided into three categories: aerial targets, land (surface) targets, and tow target systems. This NTSP addresses the BQM-74E Aerial Target and its applicable Target Auxiliary/Augmentation Systems (TA/AS). The BQM-74E Aerial Target is a sub-scale, remotely piloted vehicle whose characteristics can be changed through the use of TA/AS devices to represent a wide range of threats.

The maintenance concept for targets is based on an overall objective to ensure that the targets are available to fulfill commitments of operational activities, and to provide the means to restore unserviceable targets to serviceable condition with minimum downtime. Maintenance requirements are allocated to three levels of maintenance as defined in the Naval Ordnance Maintenance Management Program, Office of the Chief of Naval Operation Instruction (OPNAVINST 8000.16).

This NTSP describes targets that have been in use for a number of years, and consequently the manpower and training requirements have already been established. There are no quantitative changes in manpower associated with this NTSP. Training for the BQM-74E and its associated TA/AS will be provided by Fleet Composite Squadron (VC)-6 enlisted instructor personnel with Naval Air Maintenance Training Group Detachment (NAMTRGRU DET), Naval Air Station (NAS) Oceana, Virginia, providing management of the curriculum.

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LIST OF ACRONYMS

AD	Aviation Machinist's Mate
AE	Aviation Electrician's Mate
AMH	Aviation Structural Mechanic, Hydraulics
AMTCS	Aviation Maintenance Training Continuum System
AMS	Aviation Structural Mechanic, Structures
AO	Aviation Ordnanceman
AT	Aviation Electronics Technician
CFA	Cognizant Field Activity
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief Atlantic Fleet
CINCLANTFLT	Commander in Chief Pacific Fleet
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
COMFLEACT	Commander Fleet Activity
ET	Electronics Technician
IFF	Identification Friend or Foe
ITCS	Integrated Target Control System
JQR	Joint Qualification Requirements
MCAS	Marine Corps Air Station
MCB	Marine Corps Base
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAVAIRSYSCOM	Naval Air Systems Command
NAVPERSCOM	Navy Personnel Command
NAVAIRWARCENWPNDIV	Naval Air Warfare Center Weapons Division
NCTS	Navy Civilian Technical Specialist
NEC	Navy Enlisted Classification
NOMMP	Naval Ordnance Maintenance Management Program
NS	Naval Station
NSWC	Naval Surface Warfare Center

GENERAL AERIAL TARGETS

LIST OF ACRONYMS

NTSP	Navy Training System Plan
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Official
PMA	Program Manager, Air
PMRF	Pacific Missile Range Facility
PQS	Personnel Qualification Standards
PR	Parachute Rigger
RCO	Remote Control Operator
TACAN	Tactical Air Navigation
TA/AS	Target Auxiliary/Augmentation Systems
TD	Training Device
TTE	Technical Training Equipment
VC	Fleet Composite Squadron
VX	Air Development Squadron

GENERAL AERIAL TARGETS

PREFACE

This Proposed Navy Training System Plan (NTSP) for General Aerial Targets was developed to update the Draft NTSP N88-NTSP-A-50-9702/D, dated July 1998. This NTSP was prepared in accordance with the guidelines set forth in the Navy Training Requirements Documentation Manual, Office of the Chief of Naval Operations (OPNAV) Publication P-751-9-9-97. This document was reviewed during the NTSP conference in August 1998. The results of the conference and other data required to make the NTSP current are reflected in this document.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature -Title -Acronym. General Aerial Targets

2. Program Element. Not Available

B. SECURITY CLASSIFICATION

1. System Characteristics ..... Unclassified
2. Capabilities ..... Unclassified
3. Functions..... Unclassified

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor..... CNO (N880C8)

OPO Resource Sponsor ..... CNO (N889H3)

Developing Agency..... NAVAIRSYSCOM (PMA208)

Training Agency ..... CINCLANTFLT
CINCPACFLT
CNET

Training Support Agency..... NAVAIRSYSCOM (PMA205-3M)

Manpower and Personnel Mission Sponsor .....CNO (N1)
NAVPERSCOM (PERS-4, PERS-404)

Director of Naval Training..... CNO (N7)

D. SYSTEM DESCRIPTION

1. Operational Uses. The General Aerial Target referred to in this document is the BQM-74E. The BQM-74E is a recoverable, remotely controlled, sub-scale, self-propelled aerial target whose physical characteristics may be changed through the use of augmentation devices to represent a wide range of threats. Equipped with the appropriate Target Auxiliary/Augmentation Systems (TA/AS), the BQM-74E can be configured to fully simulate manned aircraft or anti-ship cruise missile characteristics. These characteristics are required to test weapon systems during

test and evaluation, for proficiency training of Navy and Marine Corps aircrews, and training for shipboard weapons personnel in the tracking and identification of enemy aircraft.

2. Foreign Military Sales. Not Applicable (NA)

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. The BQM-74E has been in the Navy inventory for a number of years. Developmental and operational tests have been completed.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. NA

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The BQM-74E missile target is a recoverable, remote controlled, subsonic, sub-scale aerial target capable of speeds up to mach 0.85 and altitudes from 30 to 40,000 feet. It is propelled by a J400-WR-404 turbojet engine, and can be launched from a zero-length ground launcher or air launched from F-16, TA-4J, and C-130A aircraft. The BQM-74E can be equipped with a variety of TA/AS, including radar, infrared augmentation, threat emitters, scoring, location, and visual augmentation in order to permit programming for a variety of mission profiles. Target recovery is executed by parachute and can be accomplished either on land or at sea.

TA/AS provides target systems with enhanced performance capabilities and affords the target user flexibility in configuring the target with various combinations of command and control, radar identification, miss distance, radar calculation, and realistic threat simulation. TA/AS configuration enables it to be programmed to simulate eight different mission profiles. The following is a list of TA/AS and functional descriptions of the most commonly used in the BQM-74E:

TARGET AUXILIARY/ AUGMENTATION SYSTEMS	**FUNCTIONAL DESCRIPTION**
AN/DPN-90 (V) Radar Tracking Beacon	A radar transponder used to enhance radar tracking.
AN/DPN-88 Identification Friend or Foe (IFF)Transponder	A radar-enhanced device used to enhance the D-band IFF signal for Air Traffic Control Radar.
AN/DRQ-4B Miss Distance Indicator	A cooperative scoring device that measures the distance by which a missile misses a target. The AN/DRQ-4B has a scoring range of 2,000 feet.

TARGET AUXILIARY/ AUGMENTATION SYSTEMS	FUNCTIONAL DESCRIPTION
AN/DSQ-50 Miss Distance Sensor Set	A non-cooperative scoring device capable of providing automatic, near-time data reduction; secure telemetry transmission; and multiple scoring capability.
T-1438/D Locator Beacon Transmitter	A radio frequency transmitter used as a positive identifying and locating device for aerial targets during the recovery phase of an operation.
AN/ARN-118 Tactical Air Navigation (TACAN)	A polar-guided navigation system that provides slant range distance and relative bearing. With the set, the flight crew can deviate its course to and from an airborne or ground TACAN beacon. The set provides steering data to the drone control system of the targets.
AN/DKW-3 Integrated Target Control System (ITCS) Transponder	Used in targets to remotely control targets from one of several ITCS ground stations. It receives and decodes communications from the ground station, routes commands to TA/AS and other systems onboard the target, and transmits target status to the ground station.
AN/DKW-4 (V) Target Control Transponder	The airborne portion used with the model 6157 portable radar tracking and control system. It performs the same function as the AN/DKW-3; however, its portability makes it effective at remote locations.
AN/DPT-2B Radar Transmitting Set	Used to provide simulation of threat radar signals in the BQM-74E.
AN/DPT-2C Radar Transmitting Set	Produces a high power duty cycle limited RF signal, specifically for Rolling Airframe Missile Training.
Steeran Antenna	Provides an extremely high gain and hence narrow beam of energy that is directed at a cooperative beacon mounted on the ship under test.
AN/UPT-2 Radar Transmitting Set	An enhanced version of the AN/DPT-2.

2. Physical Description

BQM-74E

Length	155.47	inches
Diameter	13.90	inches
Wing Span	69.40	inches
Stabilizer Span	31.46	inches
Normal Weight.....	452.4	pounds
Extended Range ...	465.1	pounds

3. New Development Introduction. NA

4. Significant Interfaces. The BQM-74E is compatible with the zero length ground launcher and can be equipped with an air launch kit to facilitate airborne launch.

5. New Features, Configurations, or Material. NA

H. CONCEPTS

1. Operational Concept. Targets are employed in air-to-air and surface-to-air combat training missions. Trained enlisted personnel accomplish surface launch and the flight crew accomplishes air launch. Once deployed, preprogrammed flight information or Remote Control Operators (RCOs) control the targets' flight at the ground stations.

2. Maintenance Concept. The BQM-74E Target employs three levels of maintenance; organizational, intermediate, and depot, in accordance with the Naval Ordnance Maintenance Management Program (NOMMP), OPNAVINST 8000.16; Naval Aviation Maintenance Program (NAMP), OPNAVINST 4790.2G; and approved Naval Air Systems Command (NAVAIRSYSCOM) maintenance instruction manuals developed for each unique application of aircraft armament.

a. Organizational. The organizational level maintenance activity maintains the target system in support of day-to-day operations. This maintenance level maintains the target systems and applicable TA/AS equipment. Maintenance is performed by technicians in the Aviation Electrician's Mate (AE), Aviation Machinist's Mate (AD), Aviation Structural Mechanic Structures (AMS), Aviation Structural Mechanic Hydraulics (AMH), Aviation Ordnanceman (AO), Aviation Electronics Technician (AT), Electronics Technician (ET), and Parachute Rigger (PR) ratings. Organizational level maintenance actions for the BQM-74E consist of performing:

- Pre-launch and post-launch inspections
- Acceptance inspection and initial build-up
- Conditional inspections
- Transfer inspections
- Rehabilitation inspections

- Corrosion control and preservation
- Component installation and removal
- Stray and no voltage checks
- Testing and troubleshooting
- Component repair and replacement
- Target arming and dearming
- Technical Directive compliance
- Discrepancy reporting
- Record keeping and reporting

b. Intermediate. Intermediate level maintenance is performed by technicians in the AE, AD, AMS, AMH, AO, AT, ET, and PR ratings. Occasionally intermediate and organizational level maintenance actions overlap and maintenance activities must consult the appropriate Maintenance Instruction Manual, operating service manual, or technical directive that pertains to each item to determine the level of repair required. Intermediate level maintenance responsibilities for the BQM-74E consist of the following:

- Acceptance inspections and initial build-up
- Conditional inspections
- Transfer inspections
- Rehabilitation inspections
- Corrosion control and preservation
- Bench check and test
- Component installation and removal
- Component overhaul
- Discrepancy reporting
- Record keeping and reporting

c. Depot. Targets have a finite life cycle determined by a preset number of completed flights. Therefore, depot level maintenance of targets and their components are limited to repairs where the cost of repair does not exceed new procurement costs. When depot level repair is required, Northrop Grumman Corporation, Military Aircraft Division, El Segundo, California, is assigned the BQM-74E for repair.

Depot level maintenance responsibilities include those actions required to maintain or restore the inherent design service levels of performance, reliability, and material condition. They span complete rebuild through reclamation, refurbishment, overhaul, repair, replacement, adjustment, servicing, and replacement of consumables. They also include inspection, calibration, and testing.

d. Interim Maintenance. NA

e. Life Cycle Maintenance Plan. Technical assistance is provided by the Cognizant Field Activity (CFA), Naval Air Warfare Center Weapons Division (NAVAIRWARCENWPNDIV), Point Mugu, California.

3. Manning Concept. Target maintenance and operator functions are assigned to 191 personnel attached to two target activities, Fleet Composite Squadron (VC)-6 and Commander, Fleet Activity (COMFLEACT) Okinawa, Japan, to provide Target Support Services. VC-6 is organized into the following three sub-units:

- Shore-duty component located at Naval Station (NS) Norfolk, Virginia
- Sea-duty component also located at NS Norfolk
- VC-6 Detachment at Naval Surface Warfare Center (NSWC) Dam Neck, Virginia

COMFLEACT Okinawa is organized with 23 active duty Navy personnel and six contractor support personnel assigned to the Target Support Division. All other activities utilize civil servant and contractor personnel to provide target support. Civil servant and contractor manpower is not covered in this NTSP.

With the exception of the Atlantic Fleet Weapons Training Facility Naval Station Roosevelt Roads, Puerto Rico, and the Pacific Missile Range Facility (PMRF), Hawaii, which are major providers of target operations, the remaining following fleet activities provide limited support of target operations:

- NAVAIRWARCENWPNDIV Point Mugu (Notes 1 and 3)
- NAS China Lake, California (Notes 1, 2, and 3)
- White Sands Missile Range, New Mexico (Notes 1 and 3)
- Wallops Island, Virginia (Notes 1 and 3)
- Southern California Off-shore Range San Clemente Island, California (Note 1)

Note 1. Formal training is not required.
Note 2. Provides safety reviews for all target configuration and/or operations missions.
Note 3. This activity has contractor support for some or all targets supported.

Manpower requirements for targets are compatible with existing skill levels. There currently are no target specific Navy Enlisted Classification (NEC) codes assigned to identify personnel qualified in target support. Manpower requirements for organizational, intermediate, and depot levels of maintenance are generated based on a specific work center's total workload and the skills needed to perform maintenance on the systems supported by the work center. The manpower requirements in this NTSP were taken from existing VC-6 and COMFLEACT Okinawa Activity Manpower Documents. This NTSP does not identify any new manpower requirements. No manpower change is required.

4. Training Concept. Target systems present unique training challenges. The current Target training concept has three Navy Civilian Technical Specialists (NCTS) to provide on-site training of assigned personnel, two at VC-6 and one at COMFLEACT Okinawa. The planned training concept places the training under the cognizance of the Chief of Naval Education and

Training (CNET). The Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET) Oceana, Virginia, serves as the course/curriculum manager. VC-6 Instructor (NEC 9502) personnel (as described in the Memorandum Of Understanding between NAMTRAGRU DET Oceana and VC-6) will provide the training. Target training course classroom space and training equipment will be provided by VC-6 as described in the Memorandum of Understanding between NAMTRAGRU DET Oceana and VC-6. These courses are described below.

The courses will be available through quota control at NAMTRAGRU DET Oceana. This training will support personnel on Permanent Change of Station orders to VC-6 and COMFLEACT Okinawa. Organizational level On-the-Job Training will also be made available to seven other fleet activities providing target support services.

a. Initial Training. Initial training for the Targets is not required. These systems have been in use for several years. NCTS personnel have accomplished initial training.

b. Follow-on Training. Follow-on training for targets will be managed by NAMTRAGRU DET NAS Oceana. The following training courses are currently available.

Title	**BQM-74E Target Familiarization Organizational Maintenance**
CIN	D-690-0103
Model Manager ...	NAMTRAGRU DET Oceana
Description	To provide Officer and various Enlisted personnel in aviation and surface ratings with sufficient knowledge and skills, including related target publications, safety precautions, target fundamentals, subsystems and subsystem launch configurations, and functional support to perform BQM-74E maintenance familiarization in the squadron environment under supervision.
Location	VC-6 Detachment, NSWC Dam Neck
Length	3 days
RFT date	October 1999
Skill identifier.....	NA
TTE/TD	None
Prerequisites	° Graduate of applicable A1 school for rating ° Assignment to unit where training is related to unit's mission and maintenance level.

Title	**Target Maintenance Procedures**
CIN	D-690-0105
Model Manager ...	NAMTRAGRU DET Oceana
Description	To provide personnel in aviation and surface ratings with sufficient knowledge and skills, including related target publications, safety precautions, target subsystems and subsystem launch configurations, electrical and mechanical support equipment, pyrotechnics, decontamination, maintenance and launch configuration procedures to perform BQM-74E maintenance in the squadron environment under supervision.
Location	VC-6 Detachment, NSWC Dam Neck
Length	12 days
RFT date	October 1999
Skill identifier	NA
TTE/TD	None
Prerequisites	° Appropriate “A” school or equivalent ° Assignment to a unit where training is related to the unit’s mission and maintenance level

Title	**Target Avionics Organizational Maintenance**
CIN	D-690-0106
Model Manager ...	NAMTRAGRU DET Oceana
Description	To provide AEs, ATs, and ETs with sufficient knowledge and skills, including electrical power requirements, principal avionics components, target power sources, target power distribution, digital avionics processor, target subsystems, target troubleshooting procedures, and electrical test procedures to perform BQM-74E avionics maintenance in the squadron environment under close supervision.
Location	VC-6 Detachment, NSWC Dam Neck
Length	12 days
RFT date	October 1999
Skill identifier	NA

TTE/TD ..... None

Prerequisites ..... Graduate of one of the following:

- C-100-2020, Avionics Common Core Class A1
- C-100-2017, Avionics Technician I Level Class A1
- C-100-2018, Avionics Technician O Level Class A1
- A-100-0140, Electronics Technician Strand A School

Assignment to a unit where training is related to the unit's mission and maintenance level

Title ..... VEGA MODEL 6157 Organizational Maintenance

CIN D-690-0107

Model Manager ... NAMTRAGRU DET Oceana

Description ..... To provide AEs, ATs, and ETs with sufficient knowledge and skills, including unit and component identification, modes of operation, Radar Test Set operation and check-out procedures, and fault isolation procedures to perform maintenance on the VEGA Model 6157 Portable Radar Tracking and Control System under close supervision.

Location ..... VC-6 Detachment, NSWC Dam Neck

Length ..... 12 days

RFT date ..... October 1999

Skill identifier ..... NA

TTE/TD ..... None

Prerequisites ..... Graduate of one of the following:

- C-100-2020, Avionics Common Core Class A1
- C-100-2017, Avionics Technician I Level Class A1
- C-100-2018, Avionics Technician O Level Class A1
- A-100-0140, Electronics Technician Strand A School

Assignment to unit where training is related to unit's mission and maintenance level.

Title	**Target Parachute Organizational Maintenance**
CIN	D-690-0109
Model Manager ...	NAMTRAGRU DET Oceana
Description	To provide PRs with sufficient knowledge and skills, including unit and component identification, launch configurations, and parachute packing procedures to perform maintenance on the BQM-74E Target Parachute under close supervision.
Location	VC-6 Detachment, NSWC Dam Neck
Length	3 days
RFT date	October 1999
Skill identifier...	NA
TTE/TD	None
Prerequisites	° C-602-2035, Aircrew Survival Equipmentman Common Core Class A1 ° C-602-2037, Aircrew Survival Equipmentman Intermediate Level Strand Class A1 ° Assignment to a unit where training is related to unit's mission and maintenance level

Title	**Target Remote Control Operator**
CIN	D-690-0104
Model Manager ...	NAMTRAGRU DET Oceana
Description	To provide Officers and Chief Petty Officers with sufficient knowledge and skills, including related target publications, safety precautions, target characteristics, ground stations, target configurations, commands, flight parameters, mission planning, controller responsibilities, and operating procedures to operate the BQM-74E Remote Control Target in the squadron environment.
Location	VC-6 Detachment, NSWC Dam Neck
Length	3 days
RFT date	October 1999
Skill identifier	NA
TTE/TD	None

Prerequisites ..... ° E-7 or above
° Assignment to a unit where training is related to the unit's mission

Title ..... J-400-WR-404 Engine Repair Intermediate Maintenance

CIN D-690-0108

Model Manager ... NAMTRAGRU DET Oceana

Description ..... To provide ADs with sufficient knowledge and skills, including target publications, safety precautions, engine and engine systems, principles of operation, support equipment, saltwater decontamination, maintenance procedures for installation, removal, disassembly, and testing to perform J400-WR404 engine intermediate maintenance in the squadron environment under supervision.

Location ..... VC-6 Detachment, NSWC Dam Neck

Length ..... 5 days

RFT date ..... October 1999

Skill identifier ..... NA

TTE/TD ..... None

Prerequisites ..... ° C-601-2014, Aviation Machinist's Mate Turbojet Aircraft Fundamentals Strand Class A1
° Assignment to a unit where training is related to the unit's mission and maintenance level

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AD	° C-601-2011, Aviation Machinist's Mate Common Core Class A1 ° C-601-2014, Aviation Machinist's Mate Turbojet Fundamentals Strand Class A1
AE	° C-100-2020, Avionics Common Core Class A1 ° C-602-2039, Aviation Electrician's Mate O Level Strand Class A1

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AMH	° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Common Core Class A1 ° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Class A1
AMS	° C-603-0175, Aviation Structural Mechanic (Structures and Hydraulics) Common Core Class A1 ° C-603-0176, Aviation Structural Mechanic (Structures and Hydraulics) Class A1
AO	° C-646-2011, Aviation Ordnanceman Common Core Class A1 ° C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
AT	° C-100-2020, Avionics Common Core Class A1 ° C-100-2018, Avionics Technician O level Class A1
ET	° A-100-0138, Electronics Technician Core A School ° A-100-0140, Electronics Technician Strand A School
PR	° C-602-2035, Aircrew Survival Equipmentman Common Core Class A1 ° C-602-2037, Aircrew Survival Equipmentman Intermediate Level Strand Class A1

d. Training Pipelines. All courses are stand-alone courses. There are no new pipelines.

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development. Proficiency training for targets is conducted during loading and downloading drills, and with On-the-Job Training.

a. Maintenance Training Improvement Program. The Maintenance Training Improvement Program (MTIP) is used to establish an effective and efficient training system responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at the organizational and intermediate levels of maintenance. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions managed through automated data processing. The Deputy Chief of Staff for training assisted in development of MTIP by providing those question banks (software)

already developed by the Navy. MTIP was implemented per OPNAVINST 4790.2 series. MTIP allows increased effectiveness in the application of training resources through identification of skills and knowledge deficiencies at the activity, work center, or individual technician level. Refresher training is concentrated where needed to improve identified skill and knowledge shortfalls. MTIP will be replaced by the Aviation Maintenance Training Continuum System (AMTCS). Current planning is for AMTCS to begin full implementation for fleet deployment on 1 October 2000.

COMNAVAIRPAC has discontinued using MTIP. They are currently using maintenance data products as a source to determine maintenance-training deficiencies until AMTCS is implemented.

b. Aviation Maintenance Training Continuum System. AMTCS will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time, thus meeting the Chief of Naval Operation's (CNO) mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: Computer-Based Training (CBT) for the technicians in the Fleet in the form of Interactive Courseware (ICW) with Computer Managed Instruction (CMI) and Computer Aided Instruction (CAI) for the schoolhouse.

Included in the AMTCS development effort is the Aviation Maintenance Training Continuum System - Software Module (ASM) which provides testing [Test and Evaluation (TEV)], recording [Electronic Training Jacket (ETJ)], and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List (MTL) data bank. These tools are procured and fielded with appropriate Commercial Of The Shelf (COTS) hardware and software, i.e., Fleet Training Devices (FTD) - Laptops, PCs, Electronic Classrooms (ECR), Learning Resource Centers (LRC), operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N889H), AMTCS is to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs.

2. Personnel Qualification Standards. There are no existing Personnel Qualification Standards (PQS) for General Aerial Targets. VC-6 and COMFLEACT Okinawa utilize a Joint Qualification Requirements (JQR) program in lieu of PQS. The JQR program was developed and is managed by VC-6.

3. Other Onboard or In-service Training Packages. The Explosives Handling Personnel Qualification and Certification (QUAL/CERT) Program is a process directed OPNAVINST 8023.2C (NOTAL) (Navy) and MCO 8023.2 (Marine Corps) as a mandatory measure to ensure that initial qualification training and subsequent certification have been accomplished for all personnel assigned explosives tasks prior to performance of said tasks.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. The manufacturing contract for the BQM-74E was completed prior to 1980.

2. Technical Data Plan. BQM-74E User's Logistic Support Summary (ULSS) and BQM-74E Integrated Logistic Support Plan (ILSP) were approved in February 1998.

3. Program Documentation. All General Aerial Targets related technical manuals are currently available. Refer to element IV.B.3 for applicable technical manuals required at the training site.

4. Test Sets, Tools, and Test Equipment. Existing General Aerial Targets support equipment available in the Navy inventory is used wherever possible. The General Aerial Targets courses have no TTE or TDs assigned. Aerial target support equipment is provided by VC-6 Maintenance Department to train students.

5. Repair Parts. The Material Support Date and Naval Support Date were achieved prior to 1980.

6. Human Systems Integration. NA

K. SCHEDULES

1. Installation and Delivery Schedules. NA

2. Ready For Operational Use Schedule. The BQM-74E is currently considered to be ready for operational use.

3. Time Required to Install at Operational Sites. NA

4. Foreign Military Sales and Other Source Delivery Schedule. NA

5. Training Device and Technical Training Equipment Delivery Schedule. NA

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
BQM-74E User's Logistic Support Summary (ULSS)	ULSS 0004D	PMA208	Approved Feb 98
BQM-74E Integrated Logistic Support Plan (ILSP)	ILSP-045C	PMA208	Approved Feb 98
Aerial Target Maintenance Plan for the BQM-74E	PGMP-0066G	PMA208	Approved Feb 98
Configuration Management Plan for Aerial Target And Decoy Systems	CMP-I20800	PMA208	Draft Apr 99
Pioneer Unmanned Aerial Vehicle (UAV) Navy Training System Plan	A-50-8622D/D	PMA205	Draft Aug 99

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the General Aerial Targets and, therefore, are not included in Part II of this NTSP:

II.A. Billet Requirements

II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule

II.A.2.b. Billets to be deleted in Operational and Fleet Support Activities

II.A.2.c. Total Billets to be deleted in Operational and Fleet Support Activities

II.A.3. Training Activities Instructor and Support Billet Requirements

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: Total Force Manpower Management System **DATE:** 3/1/2000

ACTIVITY, UIC		PFYs	CFY00	FY01	FY02	FY03	FY04
OPERATIONAL ACTIVITIES - NAVY							
VC-6 Sea Duty Component	32019	1	0	0	0	0	0
VC-6 Dam Neck	30197	1	0	0	0	0	0
VC-6 Target Maintenance and Training Division	09806	1	0	0	0	0	0
COMFLEACT Okinawa	62254	1	0	0	0	0	0
TOTAL:		4	0	0	0	0	0

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
VC-6 Sea Duty Component, 32019					
ACDU	3	0	1302		
	0	2	AD2		
	0	3	AD3		
	0	2	AMS2		
	0	5	AMSAN		
	0	3	AO3		
	0	5	APOC		
	0	5	AT1		
	0	3	AT2		
	0	3	AT3		
	0	3	ATAN		
	0	2	EN2		
	0	2	EN3		
	0	4	ENFN		
ACTIVITY TOTAL:	3	42			
VC-6 Dam Neck, 30197					
ACDU	1	0	7340		
	0	1	AD3		
	0	1	ADAN		
	0	1	AE3		
	0	1	AEAN		
	0	1	AK3		
	0	1	AMS2		
	0	1	AMSAN		
	0	1	AO3		
	0	1	APOC		
	0	1	APO1		
	0	1	APO2		
	0	1	APO3		
	0	1	ATCS		
	0	3	AT1		
	0	1	AT2		
	0	1	AT3		
	0	2	ATAN		
	0	1	AZ2		
	0	1	ET3		
	0	1	ETSN		
	0	1	FC2		
	0	1	YN3		
	0	3	AN		
ACTIVITY TOTAL:	1	28			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VC-6 Target Maintenance and Training Division, 09806					
ACDU	1	0	1520		
	1	0	6330		
	1	0	7110		
	1	0	7340		
	1	0	7380		
	0	3	AD1		
	0	1	AD3		
	0	2	ADAN		
	0	1	AE3		
	0	1	AEAN		
	0	1	AKC		
	0	1	AK1		
	0	3	AK2		
	0	2	AK3		
	0	3	AKAN		
	0	4	AMS1		
	0	2	AMS2		
	0	3	AMS3		
	0	5	AMSAN		
	0	1	AO1		
	0	4	APOCS		
	0	2	APOC		
	0	3	APO1		
	0	1	APO2		
	0	2	AS1		
	0	2	AS2		
	0	3	AS3		
	0	5	ASAN		
	0	3	AT1		
	0	3	AT2		
	0	4	AT3		
	0	3	ATAN		
	0	1	AZ1		
	0	4	AZ2		
	0	1	AZAN		
	0	1	BMC		
	0	3	EMFN		
	0	1	EN1		
	0	1	EN2		
	0	2	EN3		
	0	1	ENFN		
	0	1	ET3		
	0	1	HT3		
	0	1	IT3		
	0	1	PR2		
	0	1	PR3		
	0	1	PRAN		

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	1	QM2		
	0	1	SK2		
	0	1	SN		
	0	1	AN		
ACTIVITY TOTAL:	5	93			
COMFLEACT Okinawa, 62254					
ACDU	1	0	1311		
	1	0	7360		
	0	1	ADCS		
	0	2	AD2		
	0	1	AE2		
	0	1	AMH2		
	0	1	AMS1		
	0	1	AO1		
	0	2	AO2		
	0	1	AS1		
	0	1	AS2		
	0	1	AT1		
	0	1	AT2		
	0	1	AZ1		
	0	1	AZAN		
	0	1	ET2		
	0	1	MR2		
ACTIVITY TOTAL:	2	17			

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY00 OFF	CFY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
1302		3		0		0		0		0		0	
1311		1		0		0		0		0		0	
1520		1		0		0		0		0		0	
6330		1		0		0		0		0		0	
7110		1		0		0		0		0		0	
7340		2		0		0		0		0		0	
7360		1		0		0		0		0		0	
7380		1		0		0		0		0		0	
	ADCS		1		0		0		0		0		0
	AD1		3		0		0		0		0		0
	AD2		4		0		0		0		0		0
	AD3		5		0		0		0		0		0
	ADAN		3		0		0		0		0		0
	AE2		1		0		0		0		0		0
	AE3		2		0		0		0		0		0
	AEAN		2		0		0		0		0		0
	AKC		1		0		0		0		0		0
	AK1		1		0		0		0		0		0
	AK2		3		0		0		0		0		0
	AK3		3		0		0		0		0		0
	AKAN		3		0		0		0		0		0
	AMH2		1		0		0		0		0		0
	AMS1		5		0		0		0		0		0
	AMS2		5		0		0		0		0		0
	AMS3		3		0		0		0		0		0
	AMSAN		11		0		0		0		0		0
	AO1		2		0		0		0		0		0
	AO2		2		0		0		0		0		0
	AO3		4		0		0		0		0		0
	APOCS		4		0		0		0		0		0
	APOC		8		0		0		0		0		0
	APO1		4		0		0		0		0		0
	APO2		2		0		0		0		0		0
	APO3		1		0		0		0		0		0
	AS1		3		0		0		0		0		0
	AS2		3		0		0		0		0		0
	AS3		3		0		0		0		0		0
	ASAN		5		0		0		0		0		0
	ATCS		1		0		0		0		0		0
	AT1		12		0		0		0		0		0
	AT2		8		0		0		0		0		0
	AT3		8		0		0		0		0		0
	ATAN		8		0		0		0		0		0
	AZ1		2		0		0		0		0		0
	AZ2		5		0		0		0		0		0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY00 OFF	CFY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL
AZAN			2		0		0		0		0		0
BMC			1		0		0		0		0		0
EMFN			3		0		0		0		0		0
EN1			1		0		0		0		0		0
EN2			3		0		0		0		0		0
EN3			4		0		0		0		0		0
ENFN			5		0		0		0		0		0
ET2			1		0		0		0		0		0
ET3			2		0		0		0		0		0
ETSN			1		0		0		0		0		0
FC2			1		0		0		0		0		0
HT3			1		0		0		0		0		0
IT3			1		0		0		0		0		0
MR2			1		0		0		0		0		0
PR2			1		0		0		0		0		0
PR3			1		0		0		0		0		0
PRAN			1		0		0		0		0		0
QM2			1		0		0		0		0		0
SK2			1		0		0		0		0		0
YN3			1		0		0		0		0		0
AN			4		0		0		0		0		0
SN			1		0		0		0		0		0
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - ACDU		11	180	0	0	0	0	0	0	0	0	0	0
GRAND TOTALS:													
NAVY - ACDU		11	180	0	0	0	0	0	0	0	0	0	0

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY00 OFF	CFY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL
VC-6 Detachment, Dam Neck, 30197													
	NAVY		2.8		2.8		2.8		2.8		2.8		2.8
SUMMARY TOTALS:													
	NAVY		2.8		2.8		2.8		2.8		2.8		2.8
GRAND TOTALS:													
			2.8		2.8		2.8		2.8		2.8		2.8

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY00 +/-	CFY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM
a. OFFICER - USN													
Operational Billets ACDU and TAR													
1302			3	0	3	0	3	0	3	0	3	0	3
1311			1	0	1	0	1	0	1	0	1	0	1
1520			1	0	1	0	1	0	1	0	1	0	1
6330			1	0	1	0	1	0	1	0	1	0	1
7110			1	0	1	0	1	0	1	0	1	0	1
7340			2	0	2	0	2	0	2	0	2	0	2
7360			1	0	1	0	1	0	1	0	1	0	1
7380			1	0	1	0	1	0	1	0	1	0	1
TOTAL USN OFFICER BILLETS:													
Operational			11	0	11	0	11	0	11	0	11	0	11
b. ENLISTED - USN													
Operational Billets ACDU and TAR													
ADCS			1	0	1	0	1	0	1	0	1	0	1
AD1			3	0	3	0	3	0	3	0	3	0	3
AD2			4	0	4	0	4	0	4	0	4	0	4
AD3			5	0	5	0	5	0	5	0	5	0	5
ADAN			3	0	3	0	3	0	3	0	3	0	3
AE2			1	0	1	0	1	0	1	0	1	0	1
AE3			2	0	2	0	2	0	2	0	2	0	2
AEAN			2	0	2	0	2	0	2	0	2	0	2
AKC			1	0	1	0	1	0	1	0	1	0	1
AK1			1	0	1	0	1	0	1	0	1	0	1
AK2			3	0	3	0	3	0	3	0	3	0	3
AK3			3	0	3	0	3	0	3	0	3	0	3
AKAN			3	0	3	0	3	0	3	0	3	0	3
AMH2			1	0	1	0	1	0	1	0	1	0	1
AMS1			5	0	5	0	5	0	5	0	5	0	5
AMS2			5	0	5	0	5	0	5	0	5	0	5
AMS3			3	0	3	0	3	0	3	0	3	0	3
AMSAN			11	0	11	0	11	0	11	0	11	0	11
AO1			2	0	2	0	2	0	2	0	2	0	2
AO2			2	0	2	0	2	0	2	0	2	0	2
AO3			4	0	4	0	4	0	4	0	4	0	4
APOCS			4	0	4	0	4	0	4	0	4	0	4
APOC			8	0	8	0	8	0	8	0	8	0	8
APO1			4	0	4	0	4	0	4	0	4	0	4
APO2			2	0	2	0	2	0	2	0	2	0	2
APO3			1	0	1	0	1	0	1	0	1	0	1
AS1			3	0	3	0	3	0	3	0	3	0	3
AS2			3	0	3	0	3	0	3	0	3	0	3

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY00 +/-	CFY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM
AS3			3	0	3	0	3	0	3	0	3	0	3
ASAN			5	0	5	0	5	0	5	0	5	0	5
ATCS			1	0	1	0	1	0	1	0	1	0	1
AT1			12	0	12	0	12	0	12	0	12	0	12
AT2			8	0	8	0	8	0	8	0	8	0	8
AT3			8	0	8	0	8	0	8	0	8	0	8
ATAN			8	0	8	0	8	0	8	0	8	0	8
AZ1			2	0	2	0	2	0	2	0	2	0	2
AZ2			5	0	5	0	5	0	5	0	5	0	5
AZAN			2	0	2	0	2	0	2	0	2	0	2
BMC			1	0	1	0	1	0	1	0	1	0	1
EMFN			3	0	3	0	3	0	3	0	3	0	3
EN1			1	0	1	0	1	0	1	0	1	0	1
EN2			3	0	3	0	3	0	3	0	3	0	3
EN3			4	0	4	0	4	0	4	0	4	0	4
ENFN			5	0	5	0	5	0	5	0	5	0	5
ET2			1	0	1	0	1	0	1	0	1	0	1
ET3			2	0	2	0	2	0	2	0	2	0	2
ETSN			1	0	1	0	1	0	1	0	1	0	1
FC2			1	0	1	0	1	0	1	0	1	0	1
HT3			1	0	1	0	1	0	1	0	1	0	1
IT3			1	0	1	0	1	0	1	0	1	0	1
MR2			1	0	1	0	1	0	1	0	1	0	1
PR2			1	0	1	0	1	0	1	0	1	0	1
PR3			1	0	1	0	1	0	1	0	1	0	1
PRAN			1	0	1	0	1	0	1	0	1	0	1
QM2			1	0	1	0	1	0	1	0	1	0	1
SK2			1	0	1	0	1	0	1	0	1	0	1
YN3			1	0	1	0	1	0	1	0	1	0	1
SN			1	0	1	0	1	0	1	0	1	0	1
AN			4	0	4	0	4	0	4	0	4	0	4
Chargeable Student Billets ACDU and TAR			3	0	3	0	3	0	3	0	3	0	3
TOTAL USN ENLISTED BILLETS:													
Operational			180	0	180	0	180	0	180	0	180	0	180
Chargeable Student			3	0	3	0	3	0	3	0	3	0	3

c. OFFICER – USMC Not Applicable

d. ENLISTED - USMC Not Applicable

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-690-0103, BQM-74-E Target Familiarization Organizational Maintenance
COURSE LENGTH: 0.6 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.00

TRAINING		ACDU/TAR	CFY00		FY01		FY02		FY03		FY04	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VC-6 Detachment, Dam Neck												
	NAVY	ACDU		36		36		36		36		36
		TOTAL:		36		36		36		36		36

CIN, COURSE TITLE: D-690-0105, Target Maintenance Procedures
COURSE LENGTH: 2.4 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.05

TRAINING		ACDU/TAR	CFY00		FY01		FY02		FY03		FY04	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VC-6 Detachment, Dam Neck												
	NAVY	ACDU		28		28		28		28		28
		TOTAL:		28		28		28		28		28

CIN, COURSE TITLE: D-690-0106, Target Avionics Organizational Maintenance
COURSE LENGTH: 2.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.00

TRAINING		ACDU/TAR	CFY00		FY01		FY02		FY03		FY04	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VC-6 Detachment, Dam Neck												
	NAVY	ACDU		17		17		17		17		17
		TOTAL:		17		17		17		17		17

CIN, COURSE TITLE: D-690-0107, VEGA Model 6157 Organizational Maintenance
COURSE LENGTH: 2.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.00

TRAINING		ACDU/TAR	CFY00		FY01		FY02		FY03		FY04	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VC-6 Detachment, Dam Neck												
	NAVY	ACDU		17		17		17		17		17
		TOTAL:		17		17		17		17		17

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-690-0109, Target Parachute Organizational Maintenance
COURSE LENGTH: 0.2 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.00

TRAINING		ACDU/TAR	CFY00		FY01		FY02		FY03		FY04	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VC-6 Detachment, Dam Neck												
	NAVY	ACDU		1		1		1		1		1
		TOTAL:		1		1		1		1		1

CIN, COURSE TITLE: D-690-0108, TJ400-WR-404 Engine Repair Intermediate Maintenance
COURSE LENGTH: 1.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.00

TRAINING		ACDU/TAR	CFY00		FY01		FY02		FY03		FY04	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VC-6 Detachment, Dam Neck												
	NAVY	ACDU		6		6		6		6		6
		TOTAL:		6		6		6		6		6

CIN, COURSE TITLE: D-690-0104, Target Report Control Operator
COURSE LENGTH: 0.2 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.00

TRAINING		ACDU/TAR	CFY00		FY01		FY02		FY03		FY04	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
VC-6 Detachment, Dam Neck												
	NAVY	ACDU		66		66		66		66		66
		TOTAL:		66		66		66		66		66

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the General Aerial Targets and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-690-0103, BQM-74-E Target Familiarization Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	36		36		36		36		36	ATIR
	32		32		32		32		32	Output
	0.3		0.3		0.3		0.3		0.3	AOB
	0.3		0.3		0.3		0.3		0.3	Chargeable

CIN, COURSE TITLE: D-690-0105, Target Maintenance Procedures
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	28		28		28		28		28	ATIR
	25		25		25		25		25	Output
	1.2		1.2		1.2		1.2		1.2	AOB
	1.2		1.2		1.2		1.2		1.2	Chargeable

CIN, COURSE TITLE: D-690-0106 Target Avionics Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	17		17		17		17		17	ATIR
	15		15		15		15		15	Output
	0.5		0.5		0.5		0.5		0.5	AOB
	0.5		0.5		0.5		0.5		0.5	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-690-0107 VEGA Model 6157 Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
17		17		17		17		17		ATIR
15		15		15		15		15		Output
0.5		0.5		0.5		0.5		0.5		AOB
0.5		0.5		0.5		0.5		0.5		Chargeable

CIN, COURSE TITLE: D-690-0109, Target Parachute Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		1		1		1		1		ATIR
1		1		1		1		1		Output
0.0		0.0		0.0		0.0		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: D-690-0108, TJ400-WR-404 Engine Repair Intermediate Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
6		6		6		6		6		ATIR
5		5		5		5		5		Output
0.1		0.1		0.1		0.1		0.1		AOB
0.1		0.1		0.1		0.1		0.1		Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-690-0104, Target Report Control Operator
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	66		66		66		66		66	ATIR
	59		59		59		59		59	Output
	0.2		0.2		0.2		0.2		0.2	AOB
	0.2		0.2		0.2		0.2		0.2	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the General Aerial Targets and, therefore, are not included in Part IV of this NTSP:

IV.A. Training Hardware

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE (See note below.)

IV.A.2. Training Devices (See note below.)

IV.B. Courseware Requirements

IV.B.1. Training Services

Note: The General Aerial Targets courses have no TTE/TD assigned. Aerial target equipment is provided by VC-6 Maintenance
Department to train students.

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.B. COURSEWARE REQUIREMENTS

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: D-690-0103 BQM-74-E Target Familiarization Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curriculum Outline	12	Sep 99	Onboard
Instructor Guide	1	Sep 99	Onboard
Laboratory Work Exercises	12	Sep 99	Onboard
Overhead Projector	1	Sep 99	Onboard
Student Guide	12	Sep 99	Onboard
Transparencies	12	Sep 99	Onboard
Visual Aid Panel	1	Sep 99	Onboard
White or Chalkboard	1	Sep 99	Onboard

CIN, COURSE TITLE: D-690-0105, Target Maintenance Procedures
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curriculum Outline	12	Sep 99	Onboard
Instructor Guide	1	Sep 99	Onboard
Laboratory Work Exercises	12	Sep 99	Onboard
Overhead Projector	1	Sep 99	Onboard
Student Guide	12	Sep 99	Onboard
Transparencies	2	Sep 99	Onboard
Visual Aid Panel	1	Sep 99	Onboard
White or Chalkboard	1	Sep 99	Onboard

CIN, COURSE TITLE: D-690-0106, Target Avionics Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curriculum Outline	12	Sep 99	Onboard
Instructor Guide	1	Sep 99	Onboard
Laboratory Work Exercises	12	Sep 99	Onboard
Overhead Projector	1	Sep 99	Onboard
Student Guide	12	Sep 99	Onboard
Transparencies	2	Sep 99	Onboard
Visual Aid Panel	1	Sep 99	Onboard
White or Chalkboard	1	Sep 99	Onboard

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: D-690-0107 VEGA Model 6157 Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curriculum Outline	12	Sep 99	Onboard
Instructor Guide	1	Sep 99	Onboard
Laboratory Work Exercises	12	Sep 99	Onboard
Overhead Projector	1	Sep 99	Onboard
Student Guide	12	Sep 99	Onboard
Transparencies	2	Sep 99	Onboard
Visual Aid Panel	1	Sep 99	Onboard
White or Chalkboard	1	Sep 99	Onboard

CIN, COURSE TITLE: D-690-0109, Target Parachute Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curriculum Outline	4	Sep 99	Onboard
Instructor Guide	1	Sep 99	Onboard
Laboratory Work Exercises	4	Sep 99	Onboard
Overhead Projector	1	Sep 99	Onboard
Student Guide	4	Sep 99	Onboard
Transparencies	2	Sep 99	Onboard
Visual Aid Panel	1	Sep 99	Onboard
White or Chalkboard	1	Sep 99	Onboard

CIN, COURSE TITLE: D-690-0108, TJ400-WR-404 Engine Repair Intermediate Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curriculum Outline	8	Sep 99	Onboard
Instructor Guide	1	Sep 99	Onboard
Laboratory Work Exercises	8	Sep 99	Onboard
Overhead Projector	1	Sep 99	Onboard
Student Guide	8	Sep 99	Onboard
Transparencies	2	Sep 99	Onboard
Visual Aid Panel	1	Sep 99	Onboard
White or Chalkboard	1	Sep 99	Onboard

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: D-690-0104, Target Report Control Operator
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Curriculum Outline	4	Sep 99	Onboard
Instructor Guide	1	Sep 99	Onboard
Laboratory Work Exercises	4	Sep 99	Onboard
Overhead Projector	1	Sep 99	Onboard
Student Guide	4	Sep 99	Onboard
Transparencies	2	Sep 99	Onboard
Visual Aid Panel	1	Sep 99	Onboard
White or Chalkboard	1	Sep 99	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: D-690-0103, BQM-74-E Target Familiarization Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01- BQM74E 2-1.2.3 Target Drone BQM-74E MSR System Test	Hard copy	3	Sep 99	Onboard
NAVAIR 01-1A-509 A/C Weapons System Cleaning/Corrosion Control	Hard copy	5	Sep 99	Onboard
NAVAIR 01-30TBA 2-3.2 MAINT INST / Aerospace Ground Equip Target Drone	Hard copy	3	Sep 99	Onboard
NAVAIR 01-30TBA-2-3.1 Maintenance Instruction for Aerospace Ground Equipment, Organization and Intermediate Level, Target Drone, Navy Models BQM-74C P/N 89500	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E 2-1.2.2 Target Drone BQM-74E Vega Systems Test	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E-1 Controller's Manual Organizational Level, Target Drone BQM-74E	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1-2-3 Target Drone BQM-74E MSR Systems Test	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.-1 Maintenance Instructions Organizational. Volume I Chapters 1-4 Description and Buildup, Target Drone Navy Model BQM-74E	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.2.1 Maintenance Instructions Organizational, Volume II Chapter 5 Section I, ITCS System Test, Target Drone Navy Model BQM-74E	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.3 Maintenance Instructions Organizational, Volume III Chapter 6-9 Maintenance, Target Drone BQM-74E	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E-2-2 Target Drone Intermediate Maintenance	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E-4 Illustrated Parts Breakdown Organizational and Intermediate Level Maintenance, Target Drone BQM-74E	Hard copy	3	Sep 99	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01-BQM74E-75 Airborne Weapons Checklist (Surface-Launched BQM-74E Target Drone pyrotechnics)	Hard copy	3	Sep 99	Onboard
NAVAIR 02B-30E-6-1 Intermediate Maintenance with Illustrated Parts Breakdown, Turbo Jet Engine, J400-WR-404	Hard copy	3	Sep 99	Onboard
NAVAIR 11-85M-2 Technical Manual, Description, Preparation for Use, Handling Instruction for JATOS	Hard copy	3	Sep 99	Onboard
NAVAIR 16-45-6157-1 Portable Radar Tracking and Control System 6157, Organization and Intermediate	Hard copy	3	Sep 99	Onboard
NAVSEA OP 3565 Electromagnetic Radiation Hazards (U) (Hazards to Ordnance) (U)	Hard copy	3	Sep 99	Onboard
OPNAVIST 8600.2B Naval Airborne Weapons Maintenance Program	Hard copy	3	Sep 99	Onboard

CIN, COURSE TITLE: D-690-0105, Target Maintenance Procedures
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01- BQM74E 2-1.2.3 Target Drone BQM-74E MSR System Test	Hard copy	10	Sep 99	Onboard
NAVAIR 01-30TBA 2-3.2 MAINT INST / Aerospace Ground Equip Target Drone	Hard copy	10	Sep 99	Onboard
NAVAIR 01-BQM74E 2-1.2.2 Target Drone BQM-74E Vega Systems Test	Hard copy	10	Sep 99	Onboard
NAVAIR 01-BQM74E-1 Controller's Manual Organizational Level, Target Drone BQM-74E	Hard copy	10	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1-2-3 Target Drone BQM-74E MSR Systems Test	Hard copy	10	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.-1 Maintenance Instructions Organizational. Volume I Chapters 1-4 Description and Buildup, Target Drone Navy Model BQM-74E	Hard copy	10	Sep 99	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01-BQM74E-2-1.2..1 Maintenance Instructions Organizational, Volume II Chapter 5 Section I, ITCS System Test, Target Drone Navy Model BQM-74E	Hard copy	10	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.3 Maintenance Instructions Organizational, Volume III Chapter 6-9 Maintenance, Target Drone BQM-74E	Hard copy	10	Sep 99	Onboard
NAVAIR 01-BQM74E-2-2 Target Drone Intermediate Maintenance	Hard copy	10	Sep 99	Onboard
NAVAIR 01-BQM74E-4 Illustrated Parts Breakdown Organizational and Intermediate Level Maintenance, Target Drone BQM-74E	Hard copy	10	Sep 99	Onboard
NAVAIR 02B-30E-6-1 Intermediate Maintenance with Illustrated Parts Breakdown, Turbo Jet Engine, J400-WR-404	Hard copy	10	Sep 99	Onboard
NAVAIR 11-100-1.3 Technical Manual, CADS, BombRack/Launcher, Dummy Unit, Missile Systems	Hard copy	10	Sep 99	Onboard
NAVAIR 11-85M-2 Technical Manual, Description, Preparation for Use, Handling Instruction for JATOS	Hard copy	10	Sep 99	Onboard
NAVAIR 16-1-540 Organizational/Unit and Intermediate Maintenance, Avionic Cleaning and Corrosion Prevention/Control	Hard copy	10	Sep 99	Onboard
NAVAIR 16-30USM635-1 Technical Manual. Intermediate Maintenance with Illustrated Parts Breakdown, Target Drone Test Set ANUSM-635, Part Number 410464-1	Hard copy	10	Sep 99	Onboard
NAVAIR AG-000TZ-MMM-000 Technical Manual, Intermediate Maintenance with Illustrated Parts Breakdown, Target Drone Test Set AN/USM-614	Hard copy	10	Sep 99	Onboard

CIN, COURSE TITLE: D-690-0106 Target Avionics Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01- BQM74E 2-1.2.3 Tarter Drone BQM-74E MSR System Test	Hard copy	6	Sep 99	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01-1A-23 Standard Shop Practice Repair Manual	Hard copy	6	Sep 99	Onboard
NAVAIR 01-1A-509 A/C Weapons System Cleaning/Corrosion Control	Hard copy	6	Sep 99	Onboard
NAVAIR 01-30TBA 2-3.2 MAINT INST / Aerospace Ground Equip Target Drone	Hard copy	6	Sep 99	Onboard
NAVAIR 01-30TBA-2-3.1 Maintenance Instruction for Aerospace Ground Equipment, Organization and Intermediate Level, Target Drone, Navy Models BQM-74C P/N 89500	Hard copy	6	Sep 99	Onboard
NAVAIR 01-BQM74E 2-1.2.2 Target Drone BQM-74E Vega Systems Test	Hard copy	6	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1-2-3 Target Drone BQM-74E MSR Systems Test	Hard copy	6	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.-1 Maintenance Instructions Organizational. Volume I Chapters 1-4 Description and Buildup, Target Drone Navy Model BQM-74E	Hard copy	6	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.3 Maintenance Instructions Organizational, Volume III Chapter 6-9 Maintenance, Target Drone BQM-74E	Hard copy	6	Sep 99	Onboard
NAVAIR 01-BQM74E-2-2 Target Drone Intermediate Maintenance	Hard copy	6	Sep 99	Onboard
NAVAIR 01-BQM74E-2-2-2-1 ITCS System Test Vol II Chap 5 Sec I	Hard copy	6	Sep 99	Onboard
NAVAIR 01-BQM74E-4 Illustrated Parts Breakdown Organizational and Intermediate Level Maintenance, Target Drone BQM-74E	Hard copy	6	Sep 99	Onboard
NAVAIR 02B-30E-6-1 Intermediate Maintenance with Illustrated Parts Breakdown, Turbo Jet Engine, J400-WR-404	Hard copy	6	Sep 99	Onboard
NAVAIR 16-1-540 Organizational/Unit and Intermediate Maintenance, Avionic Cleaning and Corrosion Prevention/Control	Hard copy	6	Sep 99	Onboard
NAVAIR 16-30DKW3B-1 Operation/Service Instruction I Level Transponder Set AN/DKW-38 (V)	Hard copy	6	Sep 99	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 16-30DKW4-1 Target Control Trans AN/DKW-4 (V) 1 Part # 135 as6321	Hard copy	6	Sep 99	Onboard
NAVAIR 16-30DPN-88-1 Transponder Set AN/DPN-88	Hard copy	6	Sep 99	Onboard
NAVAIR 16-30DRM29A-1 Transponder Test Set AN/DRM-29 O & I MAINT W/IPB	Hard copy	6	Sep 99	Onboard
NAVAIR 16-30DRW29-1 Radio Receiving Set AN/DRW-29	Hard copy	6	Sep 99	Onboard
NAVAIR 16-30DSQ50-2 Miss Distance Sensor AN/DSQ-50 PT# 1769AS100	Hard copy	6	Sep 99	Onboard
NAVAIR 16-30USM613-1 AN/USM-613 Counter Measures Test Set	Hard copy	6	Sep 99	Onboard
NAVAIR 16-30USM635-1 Technical Manual. Intermediate Maintenance with Illustrated Parts Breakdown, Target Drone Test Set AN/USM-635, Part Number 410464-1	Hard copy	6	Sep 99	Onboard
NAVAIR 16-30USM641-1 Intermediate Maintenance Operation & Maint Inst with IPB	Hard copy	6	Sep 99	Onboard
NAVAIR 17-1-125 GSE Cleaning and Corrosion Control	Hard copy	6	Sep 99	Onboard
NAVIR 16-30GSQ228-1 Miss Distance Analyzer Set AN/GSQ-228 PT# 1770as100	Hard copy	6	Sep 99	Onboard
NAVSEA OP 3565 Electromagnetic Radiation Hazards (U) (Hazards to Ordnance) (U)	Hard copy	6	Sep 99	Onboard
OPNAVINST 4790.2G Naval Aviation Maintenance Program	Hard copy	6	Sep 99	Onboard
OPNAVIST 8600.2B Naval Airborne Weapons Maintenance Program	Hard copy	6	Sep 99	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: D-690-0107 VEGA Model 6157 Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
6177 Radar Test Set VEGA 6177 Radar Test Set Operation Instructions	Hard copy	5	Sep 99	Onboard
6177 Radar Test Set VEGA 6177 Radar Test Set Performance Test	Hard copy	5	Sep 99	Onboard
NAVAIR 01-BQM74E 2-1.2.2 Target Drone BQM-74E Vega Systems Test	Hard copy	5	Sep 99	Onboard
NAVAIR 16-45-2612 Radar Simulator Model 616C (VEGA)	Hard copy	5	Sep 99	Onboard
NAVAIR 16-45-6157-1 Portable Radar Tracking and Control System 6157, Organization and Intermediate	Hard copy	5	Sep 99	Onboard
NAVAIR 16-45-6157-4 Illustrated Parts Breakdown, Portable Radar Tracking and Control System 6157	Hard copy	5	Sep 99	Onboard
NAVSEA OP 3565 Electromagnetic Radiation Hazards (U) (Hazards to Ordnance) (U)	Hard copy	5	Sep 99	Onboard

CIN, COURSE TITLE: D-690-0109, Target Parachute Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01-BQM74E-2-1.-1 Maintenance Instructions Organizational. Volume I Chapters 1-4 Description and Buildup, Target Drone Navy Model BQM-74E	Hard copy	3	Sep 99	Onboard
NAVAIR 01-BQM74E-2-2 Target Drone Intermediate Maintenance	Hard copy	3	Sep 99	Onboard
NAVSEA OP 3565 Electromagnetic Radiation Hazards (U) (Hazards to Ordnance) (U)	Hard copy	3	Sep 99	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: D-690-0108, TJ400-WR-404 Engine Repair Intermediate Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01- BQM74E 2-1.2.3 Target Drone BQM-74E MSR System Test	Hard copy	5	Sep 99	Onboard
NAVAIR 01-30TBA 2-3.2 MAINT INST / Aerospace Ground Equip Target Drone	Hard copy	5	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.-1 Maintenance Instructions Organizational. Volume I Chapters 1-4 Description and Buildup, Target Drone Navy Model BQM-74E	Hard copy	5	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.3 Maintenance Instructions Organizational, Volume III Chapter 6-9 Maintenance, Target Drone BQM-74E	Hard copy	5	Sep 99	Onboard
NAVAIR 02B-30E-6-1 Intermediate Maintenance with Illustrated Parts Breakdown, Turbo Jet Engine, J400-WR-404	Hard copy	5	Sep 99	Onboard
NAVAIR 16-1-540 Organizational/Unit and Intermediate Maintenance, Avionic Cleaning and Corrosion Prevention/Control	Hard copy	5	Sep 99	Onboard

CIN, COURSE TITLE: D-690-0104, Target Report Control Operator
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01-BQM74C-75-2 Conventional Weapons Checklist (Surface Launched) BQM-74C/E Target Drone, Mk 117 JATO	Hard copy	5	Sep 99	Onboard
NAVAIR 01-BQM74E-1 Controller's Manual Organizational Level, Target Drone BQM-74E	Hard copy	5	Sep 99	Onboard
NAVAIR 01-BQM74E-2-1.-1 Maintenance Instructions Organizational. Volume I Chapters 1-4 Description and Buildup, Target Drone Navy Model BQM-74E	Hard copy	5	Sep 99	Onboard
NAVAIR 11-85M-2 Technical Manual, Description, Preparation for Use, Handling Instruction for JATOS	Hard copy	5	Sep 99	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 16-30TSW10-1 Organizational Maintenance with Illustrated Parts Breakdown control Set, Drone, Multiple AN/TSW-10 (V)	Hard copy	5	Sep 99	Onboard
NAVAIR 16-45-6157-1 Portable Radar Tracking and Control System 6157, Organization and Intermediate	Hard copy	5	Sep 99	Onboard

IV.C. FACILITY REQUIREMENTS

IV.C.1. FACILITY REQUIREMENTS SUMMARY (SPACE/SUPPORT) BY ACTIVITY

CIN, TITLE: D-690-0103, BQM-74-E Target Familiarization Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

REQUIRED RFT DATE: Sep 99

SQUARE FEET SPACE REQUIREMENTS			MAJOR EFR REQUIREMENTS			SPACE AVAILABLE	FACILITIES SUPPORT AVAILABILITY		
ACADEMIC CLASS	LAB	APPROVED CLASS/LAB	(KW) POWER	A/C TONS	OTHER CRITICAL		(KW) POWER	A/C TONS	OTHER CRITICAL
400	400	800	115			Fully			

CIN, TITLE: D-690-0105, Target Maintenance Procedures
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

REQUIRED RFT DATE: Sep 99

SQUARE FEET SPACE REQUIREMENTS			MAJOR EFR REQUIREMENTS			SPACE AVAILABLE	FACILITIES SUPPORT AVAILABILITY		
ACADEMIC CLASS	LAB	APPROVED CLASS/LAB	(KW) POWER	A/C TONS	OTHER CRITICAL		(KW) POWER	A/C TONS	OTHER CRITICAL
400	400	800	115			Fully			

CIN, TITLE: D-690-0106 Target Avionics Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

REQUIRED RFT DATE: Sep 99

SQUARE FEET SPACE REQUIREMENTS			MAJOR EFR REQUIREMENTS			SPACE AVAILABLE	FACILITIES SUPPORT AVAILABILITY		
ACADEMIC CLASS	LAB	APPROVED CLASS/LAB	(KW) POWER	A/C TONS	OTHER CRITICAL		(KW) POWER	A/C TONS	OTHER CRITICAL
400	400	800	115			Fully			

IV.C.1. FACILITY REQUIREMENTS SUMMARY (SPACE/SUPPORT) BY ACTIVITY

CIN, TITLE: D-690-0107 VEGA Model 6157 Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

REQUIRED RFT DATE: Sep 99

SQUARE FEET SPACE REQUIREMENTS			MAJOR EFR REQUIREMENTS			SPACE AVAILABLE	FACILITIES SUPPORT AVAILABILITY		
ACADEMIC CLASS	LAB	APPROVED CLASS/LAB	(KW) POWER	A/C TONS	OTHER CRITICAL		(KW) POWER	A/C TONS	OTHER CRITICAL
400	400	800	115			Fully			

CIN, TITLE: D-690-0109, Target Parachute Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

REQUIRED RFT DATE: Sep 99

SQUARE FEET SPACE REQUIREMENTS			MAJOR EFR REQUIREMENTS			SPACE AVAILABLE	FACILITIES SUPPORT AVAILABILITY		
ACADEMIC CLASS	LAB	APPROVED CLASS/LAB	(KW) POWER	A/C TONS	OTHER CRITICAL		(KW) POWER	A/C TONS	OTHER CRITICAL
400	400	800	115			Fully			

CIN, TITLE: D-690-0108, TJ400-WR-404 Engine Repair Intermediate Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

REQUIRED RFT DATE: Sep 99

SQUARE FEET SPACE REQUIREMENTS			MAJOR EFR REQUIREMENTS			SPACE AVAILABLE	FACILITIES SUPPORT AVAILABILITY		
ACADEMIC CLASS	LAB	APPROVED CLASS/LAB	(KW) POWER	A/C TONS	OTHER CRITICAL		(KW) POWER	A/C TONS	OTHER CRITICAL
400	400	800	115			Fully			

IV.C.1. FACILITY REQUIREMENTS SUMMARY (SPACE/SUPPORT) BY ACTIVITY

CIN, TITLE: D-690-0104, Target Report Control Operator
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

REQUIRED RFT DATE: Sep 99

SQUARE FEET SPACE REQUIREMENTS			MAJOR EFR REQUIREMENTS			SPACE AVAILABLE	FACILITIES SUPPORT AVAILABILITY		
ACADEMIC CLASS	LAB	APPROVED CLASS/LAB	(KW) POWER	A/C TONS	OTHER CRITICAL		(KW) POWER	A/C TONS	OTHER CRITICAL
400	400	800	115			Fully			

IV.C.2. FACILITY REQUIREMENTS DETAILED BY ACTIVITY AND COURSE

CIN, COURSE TITLE: D-690-0103, BQM-74-E Target Familiarization Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

BUILDING AND ROOM NUMBER: Target Control Tower
TYPE OF FACILITY PROJECT: Alteration
FACILITY PROJECT NUMBER: Unknown
REQUIRED PROJECT AWARD:
REQUIRED UCD:
REQUIRED RFT: Sep 1999
STATUS: Existing

CIN, COURSE TITLE: D-690-0105, Target Maintenance Procedures
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

BUILDING AND ROOM NUMBER: Target Control Tower
TYPE OF FACILITY PROJECT: Alteration
FACILITY PROJECT NUMBER: Unknown
REQUIRED PROJECT AWARD:
REQUIRED UCD:
REQUIRED RFT: Sep 1999
STATUS: Existing

CIN, COURSE TITLE: D-690-0106 Target Avionics Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

BUILDING AND ROOM NUMBER: Target Control Tower
TYPE OF FACILITY PROJECT: Alteration
FACILITY PROJECT NUMBER: Unknown
REQUIRED PROJECT AWARD:
REQUIRED UCD:
REQUIRED RFT: Sep 1999
STATUS: Existing

CIN, COURSE TITLE: D-690-0107 VEGA Model 6157 Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

BUILDING AND ROOM NUMBER: Target Control Tower
TYPE OF FACILITY PROJECT: Alteration
FACILITY PROJECT NUMBER: Unknown
REQUIRED PROJECT AWARD:
REQUIRED UCD:
REQUIRED RFT: Sep 1999
STATUS: Existing

IV.C.2. FACILITY REQUIREMENTS DETAILED BY ACTIVITY AND COURSE

CIN, COURSE TITLE: D-690-0109, Target Parachute Organizational Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

BUILDING AND ROOM NUMBER: Target Control Tower
TYPE OF FACILITY PROJECT: Alteration
FACILITY PROJECT NUMBER: Unknown
REQUIRED PROJECT AWARD:
REQUIRED UCD:
REQUIRED RFT: Sep 1999
STATUS: Existing

CIN, COURSE TITLE: D-690-0108, TJ400-WR-404 Engine Repair Intermediate Maintenance
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

BUILDING AND ROOM NUMBER: Target Control Tower
TYPE OF FACILITY PROJECT: Alteration
FACILITY PROJECT NUMBER: Unknown
REQUIRED PROJECT AWARD:
REQUIRED UCD:
REQUIRED RFT: Sep 1999
STATUS: Existing

CIN, COURSE TITLE: D-690-0104, Target Report Control Operator
TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

BUILDING AND ROOM NUMBER: Target Control Tower
TYPE OF FACILITY PROJECT: Alteration
FACILITY PROJECT NUMBER: Unknown
REQUIRED PROJECT AWARD:
REQUIRED UCD:
REQUIRED RFT: Sep 1999
STATUS: Existing

IV.C.3. FACILITY PROJECT SUMMARY BY PROGRAM

TRAINING ACTIVITY: VC-6 Detachment
LOCATION, UIC: Dam Neck, 30197

PROJECT NUMBER	TOTAL SCOPE	PROJECTED AWARD DATE	PROJECTED UCD	STATUS

Unknown

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
DCNO/DMSO/CMS Sponsor	Programmed manpower and training resource requirements		Completed
AIR-3.4.1/PDA	Distributed Draft NTSP for review	Jul 98	Completed
PDA	Developed Training Transition Plan	Apr 97	Completed
PDA	Conducted NTSP Conference	Aug 98	Completed
CNO	Approved Transition Plan	Oct 97	Completed
PDA / NAVAIR PMA205	Developed Course Rewrites	Aug 99	Completed
PDA / NAMTRAGRU DET	Developed NAMTRAGRU DET / VC-6 Facilities Memorandum of Agreement	Jan 99	Completed
PDA / NAMTARGRU DET	Began Training at NAMTRAGRU DET	Oct 99	Completed
PDA	Submitted Proposed NTSP to OPNAV	Jul 00	Completed

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
Develop Memorandum of Agreement identifying facilities and space requirements for newly developed schools.	CNET / VC-6	Jul 99	Completed April 1999
Identify the applicable and available Logistics documents for inclusion in the NTSP.	NAVAIR (PMA205-3M)	Jan 99	Completed January 1999
Define the extent of required RCO training, specifically, whether it includes actual flight training.	NAVAIR (PMA205-3M)	Jan 99	Completed January 1999

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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PART VII - POINTS OF CONTACT

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PART VII - POINTS OF CONTACT

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SUMMARY OF COMMENTS

ON THE

GENERAL AERIAL TARGETS

PROPOSED NAVY TRAINING SYSTEM PLAN

OF JUNE 2000

N88-NTSP-A-50-9702/D

Prepared by: AOCS Wallis Lacey, AIR-3.4.1
Contact at: (301) 757-9189
Date submitted: 10 July 2000

COMMENTS / RECOMMENDATIONS ON THE
GENERAL AERIAL TARGETS
PROPOSED NAVY TRAINING SYSTEM PLAN

TABLE OF CONTENTS

ACTIVITIES PROVIDING COMMENTS:

COMMENTS / RECOMMENDATIONS ON THE
GENERAL AERIAL TARGETS
PROPOSED NAVY TRAINING SYSTEM PLAN

This document has been reviewed during the General Aerial Targets NTSP conference. The results of the comments are reflected in this document. The BQM-34S and AQM-37C/D targets are removed from the General Aerial Targets NTSP.

ACTIVITY NAME: Commander, Naval Air Warfare Center Weapons Division, Point Mugu

COMMENT: Page I-5, paragraph 4.o.

The NA/DPT-2A Radar Transmitting Set is obsolete and the inventory has exhausted. The replacement system, the AN/DPT-2B, expands on the AN/DPT-2A capability and is currently in stock

INCORPORATED: YES

REMARKS: The NA/DPT-2A Radar Transmitting Set has been removed from this document.

COMMENT: Page I-5, paragraph 4.p.

The size and power consumption of the AN/UPT-2A limits its use to the BQM-34S. It cannot be installed in the BQM-74.

INCORPORATED: NO

REMARKS: The BQM-34S has been removed from this NTSP.

COMMENT: Page I-5, paragraph 4.q.

In addition to chaff and flares, the ALE-44 is capable of dispensing active decoys sized to fit in the standard dispenser.

INCORPORATED: NO

REMARKS: The ALE-44 was associated with the BQM-34S.

COMMENT: Page I-5, paragraph 4.r.

While the full ECM capability of the AN/ULQ-21 requires a BQM-34S, limited capability has been developed for the BQM-74. The focus of the ATST development program is to expand this capability to the maximum extent possible over the next several years.

INCORPORATED: YES

REMARKS: None

COMMENT: Page I-5

COMMENTS / RECOMMENDATIONS ON THE
GENERAL AERIAL TARGETS
PROPOSED NAVY TRAINING SYSTEM PLAN

Two complementary modules have been developed for the BQM-74. These modules are the AN/DPT-2C and the Steerable Antenna (STERAN). The AN/DPT-2C produces a high power duty cycle limited RF signal, specifically for Rolling Airframe Missile training. The companion STERAN provides an extremely high gain and hence narrow beam of energy that is directed at a cooperative beacon mounted on the ship under test. Both the AN/DPT-2C and STERAN are designed for use on either the BQM-34S.

INCORPORATED: YES

REMARKS: None